

FIGURE 1

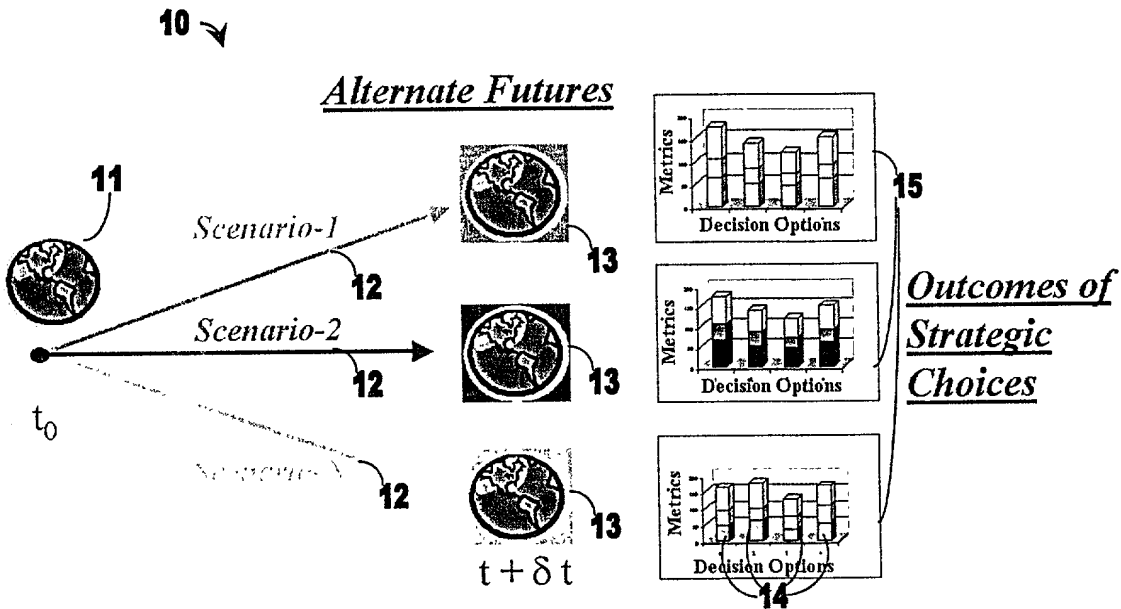


FIGURE 1A

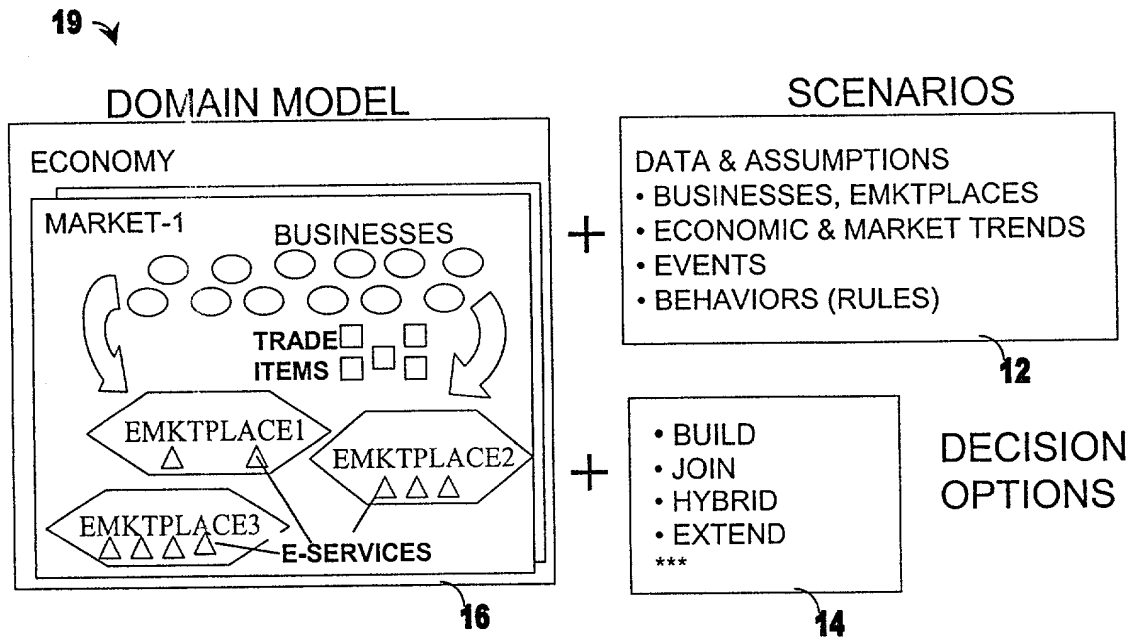


FIGURE 2

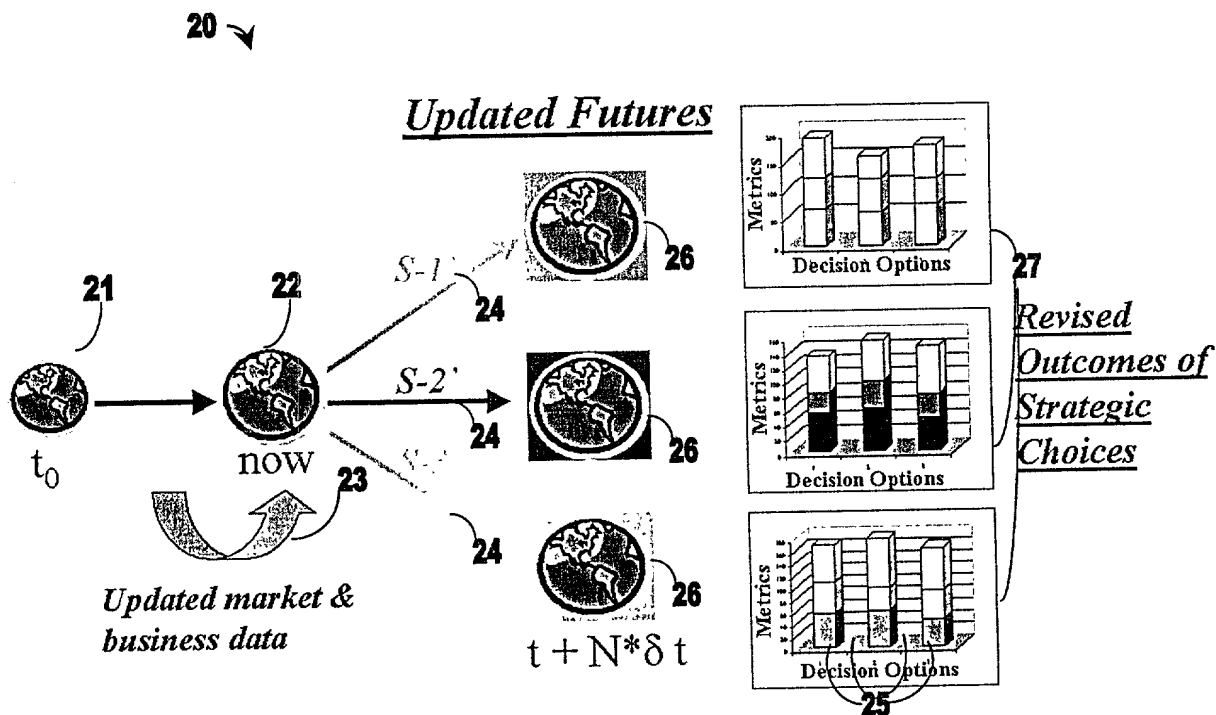


FIGURE 3

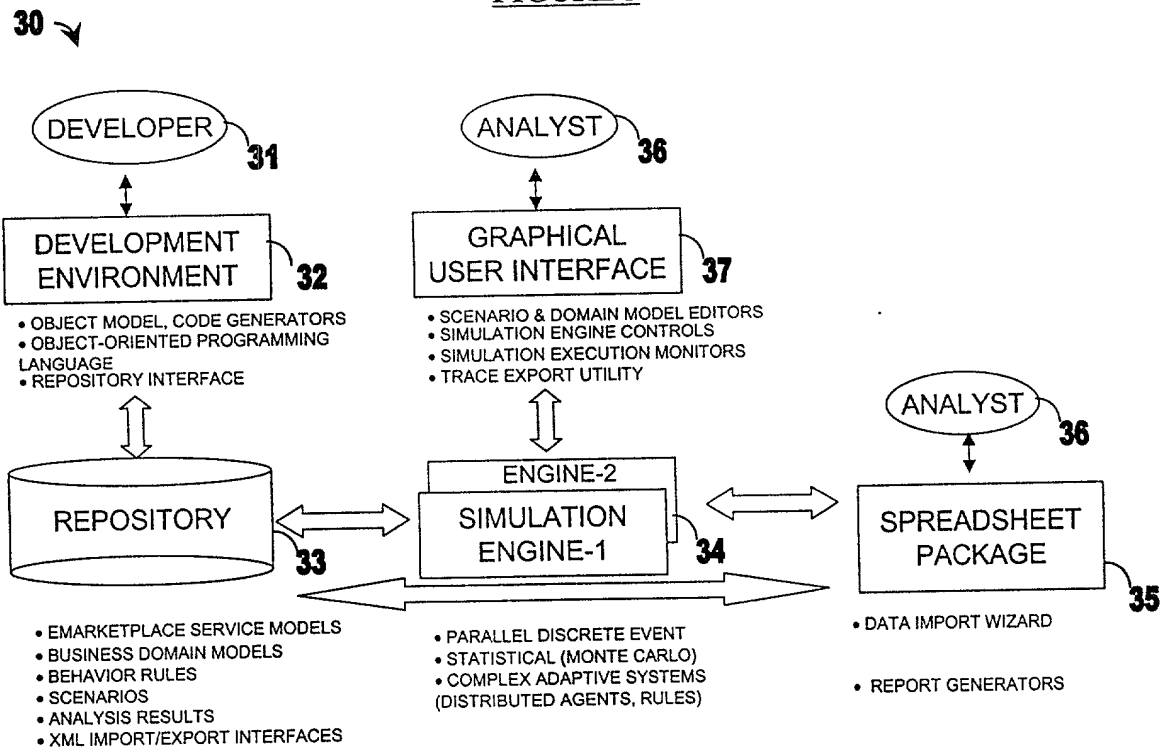


FIGURE 3A

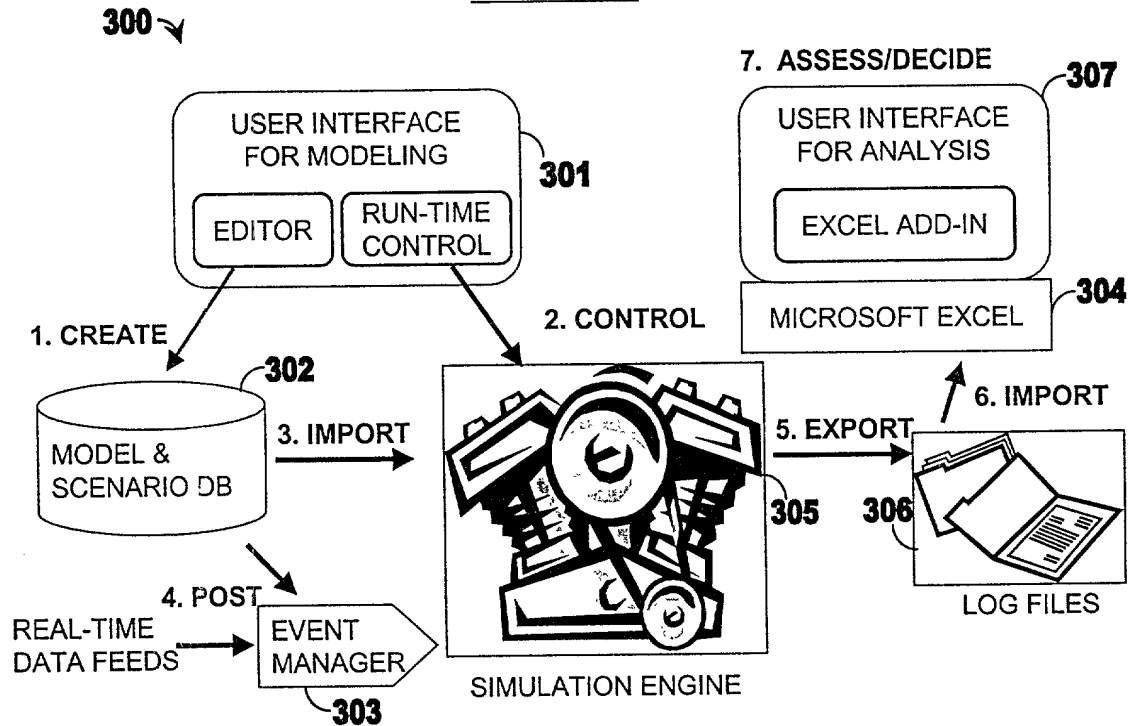


FIGURE 4

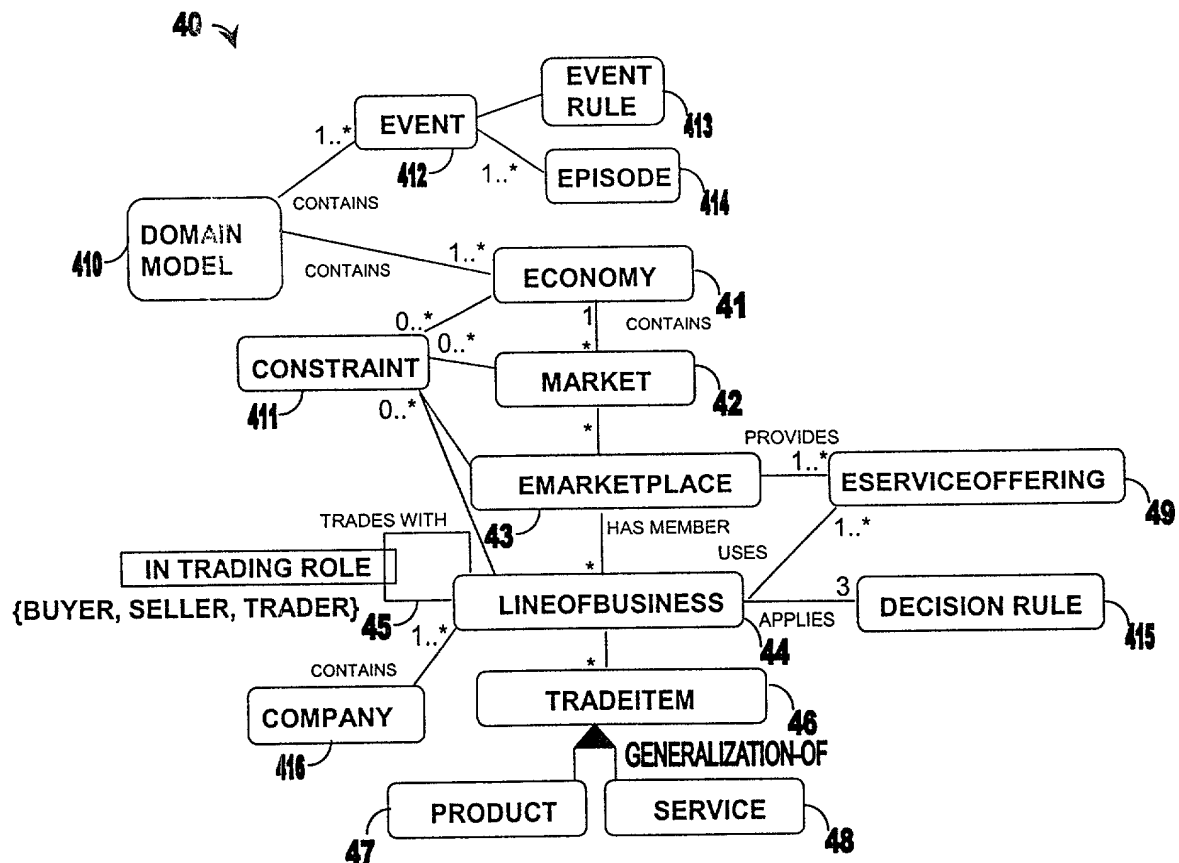


FIGURE 5

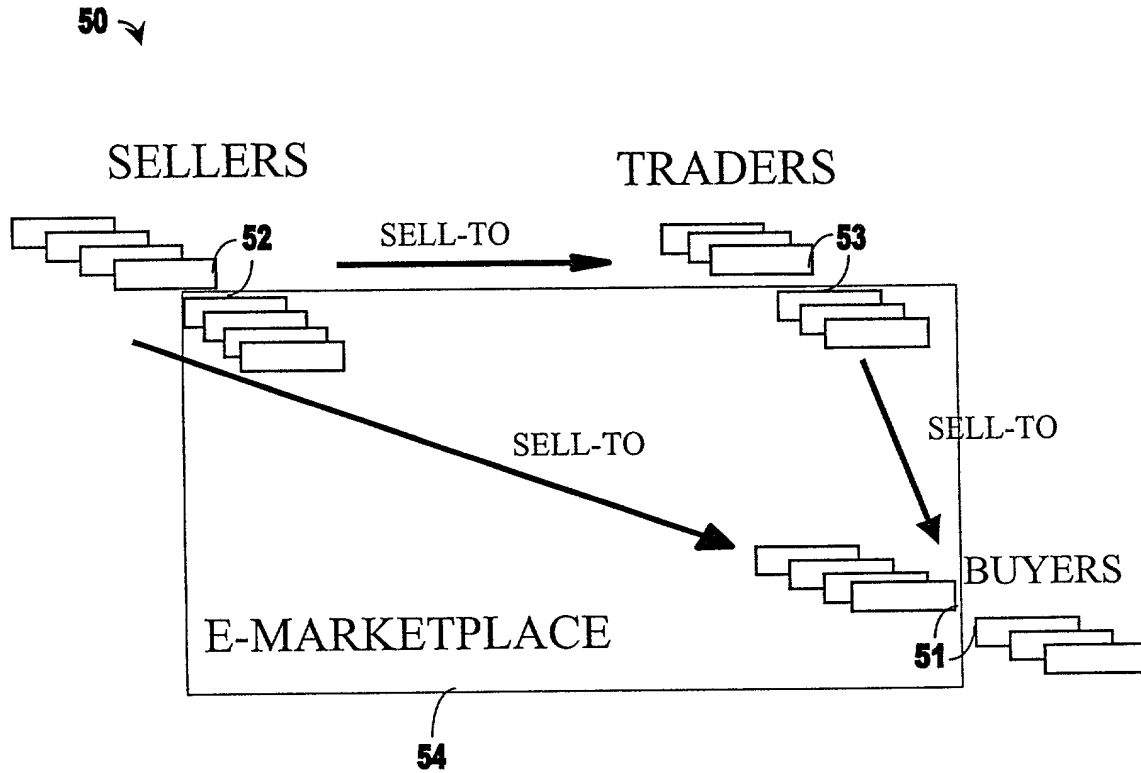


FIGURE 5A

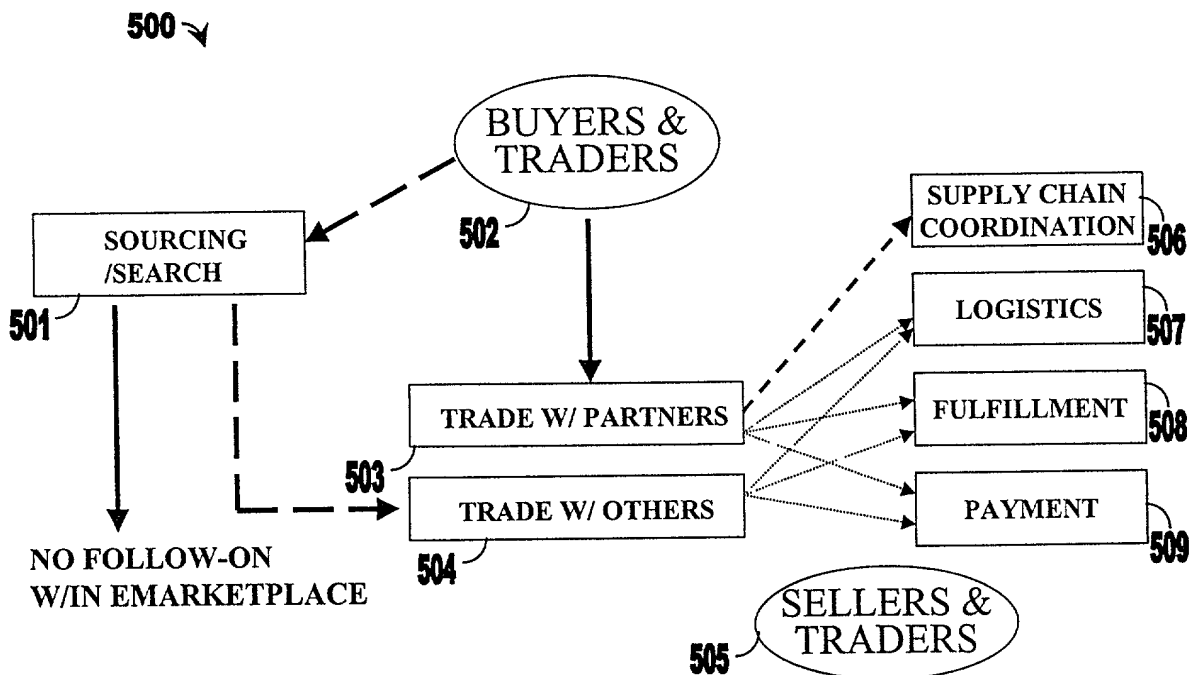


FIGURE 6

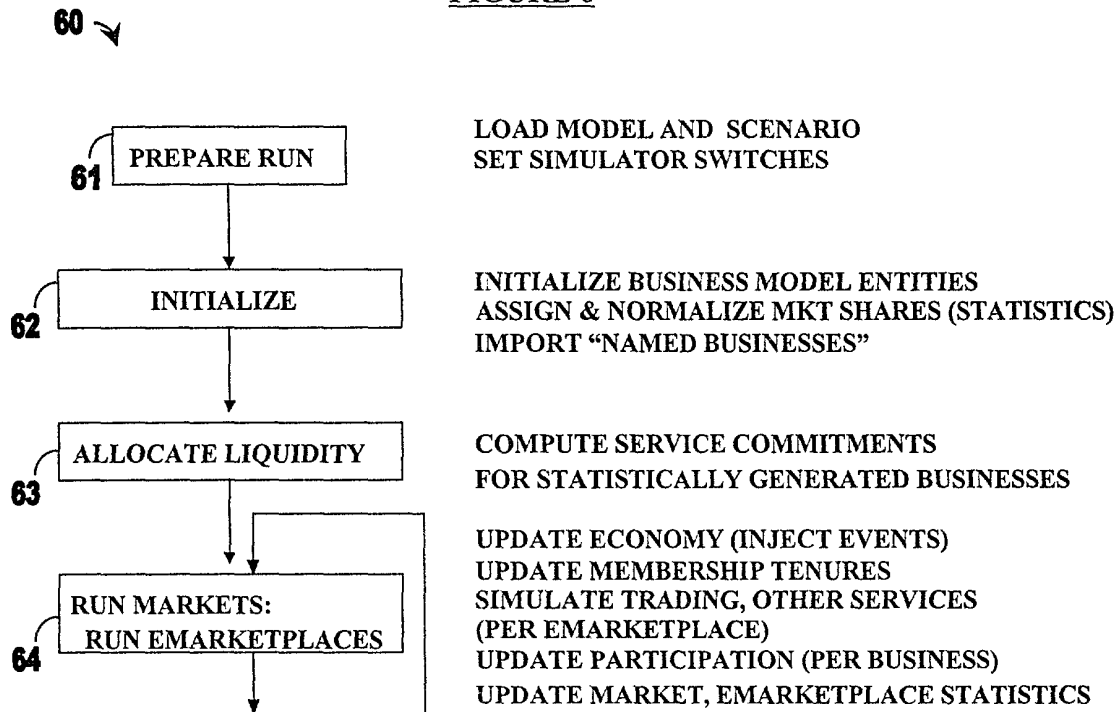


FIGURE 7

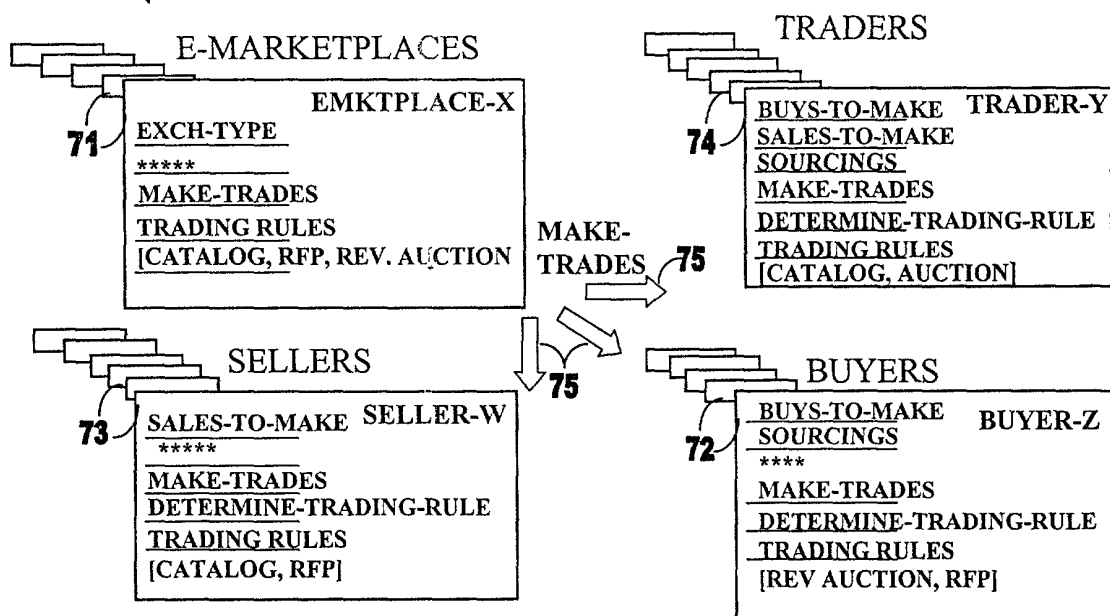


FIGURE 8

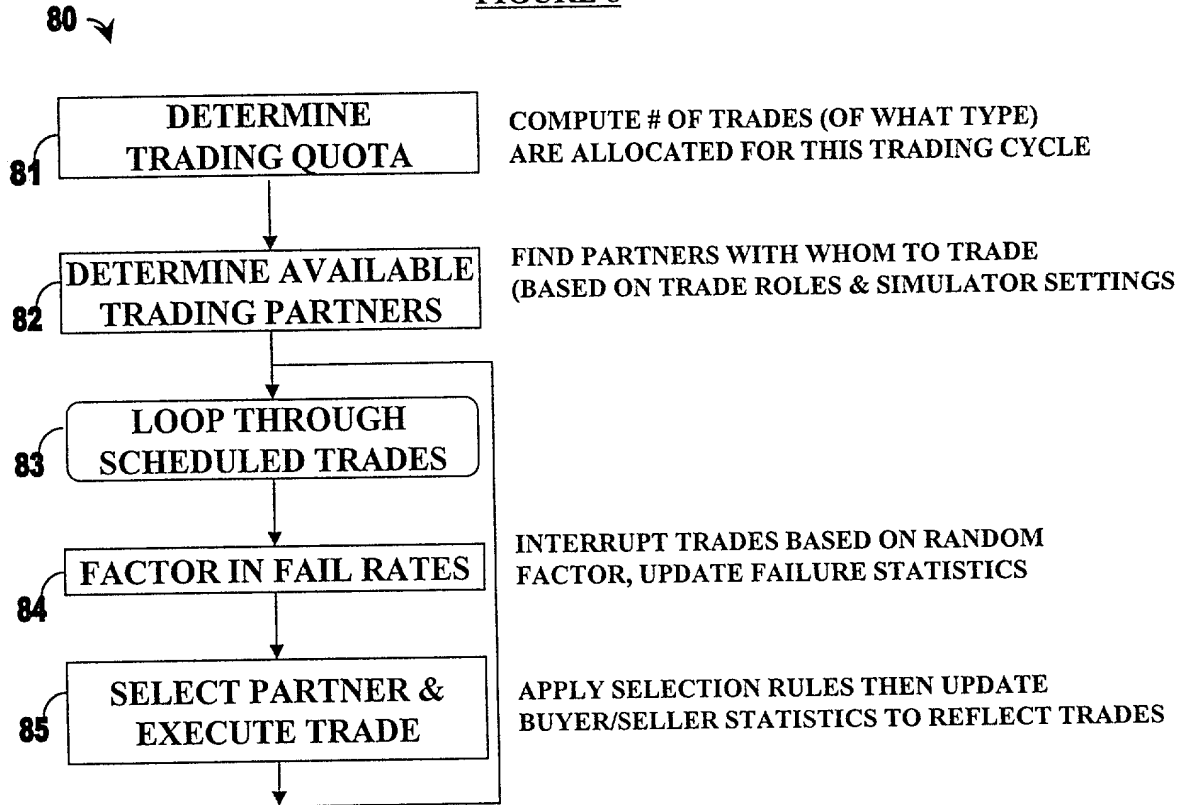


FIGURE 9

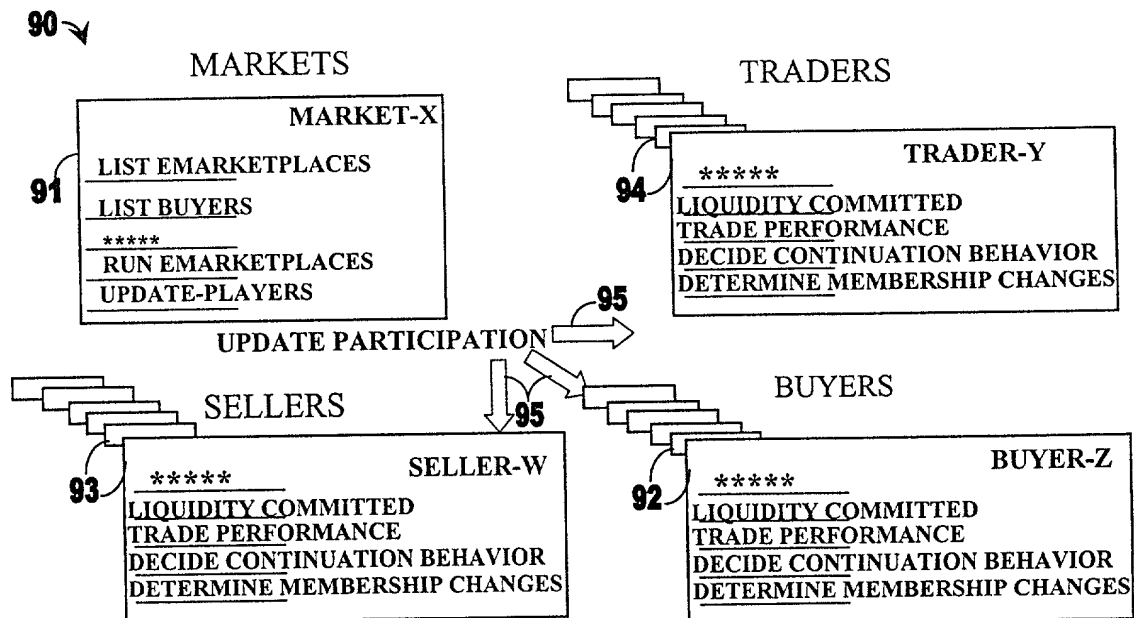


FIGURE 9A

Rules that (Simulated) Businesses apply to change their levels of participation in Exchanges

900 ↘

E-MARKETPLACE SERVICES			
DECISION OPTIONS	CURRENTLY SUBSCRIBED	AVAILABLE BUT NOT USED	NEWLY ADDED
NO CHANGE	X	X	X
INCREASE PARTICIPATION	X		
DECREASE PARTICIPATION	X		
SUBSCRIBE (AT SOME LEVEL)		X	X
WITHDRAW FROM EMKTPLACE	X	X	X

FIGURE 9B

Rules that (Simulated) Businesses apply to decide whether or not to join Exchanges

901 ↘

DECISION FACTORS	VALUES	WEIGHTS		
MEMBERSHIP LEVELS				
TRADING LIQUIDITY				
CONTENT				
COMMERCE				
COLLABORATION				
COMMUNITY				
CUST REL. MGMT				
OTHER MODEL PARAMETERS				
DECISION FUNCTION = F(VALUE-X * WEIGHT-X)				
			DECISION OPTIONS	
			JOIN	
			RESULT <= THRESHOLD	
			NO CHANGE (DON'T JOIN)	
			RESULT > THRESHOLD	

FIGURE 10

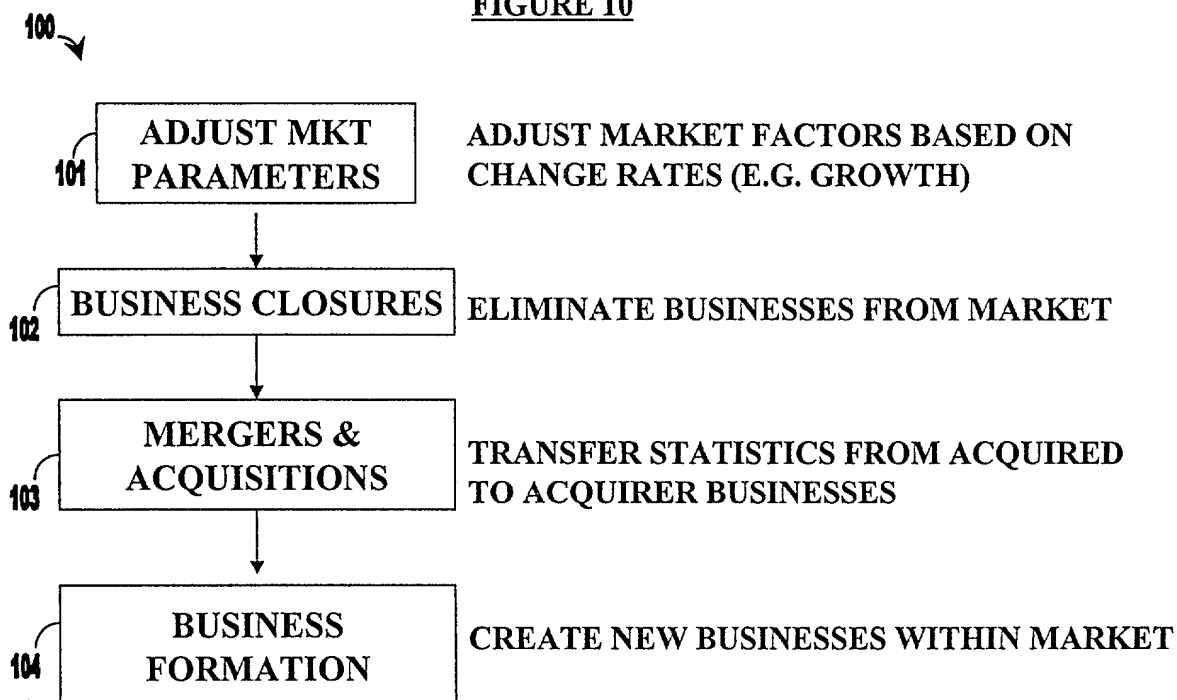


FIGURE 11

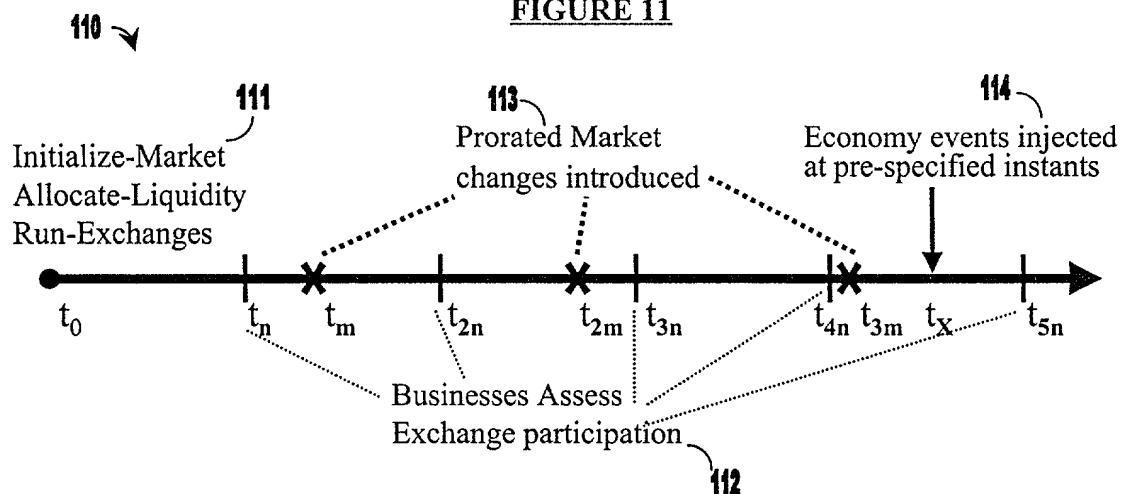


FIGURE 12

120

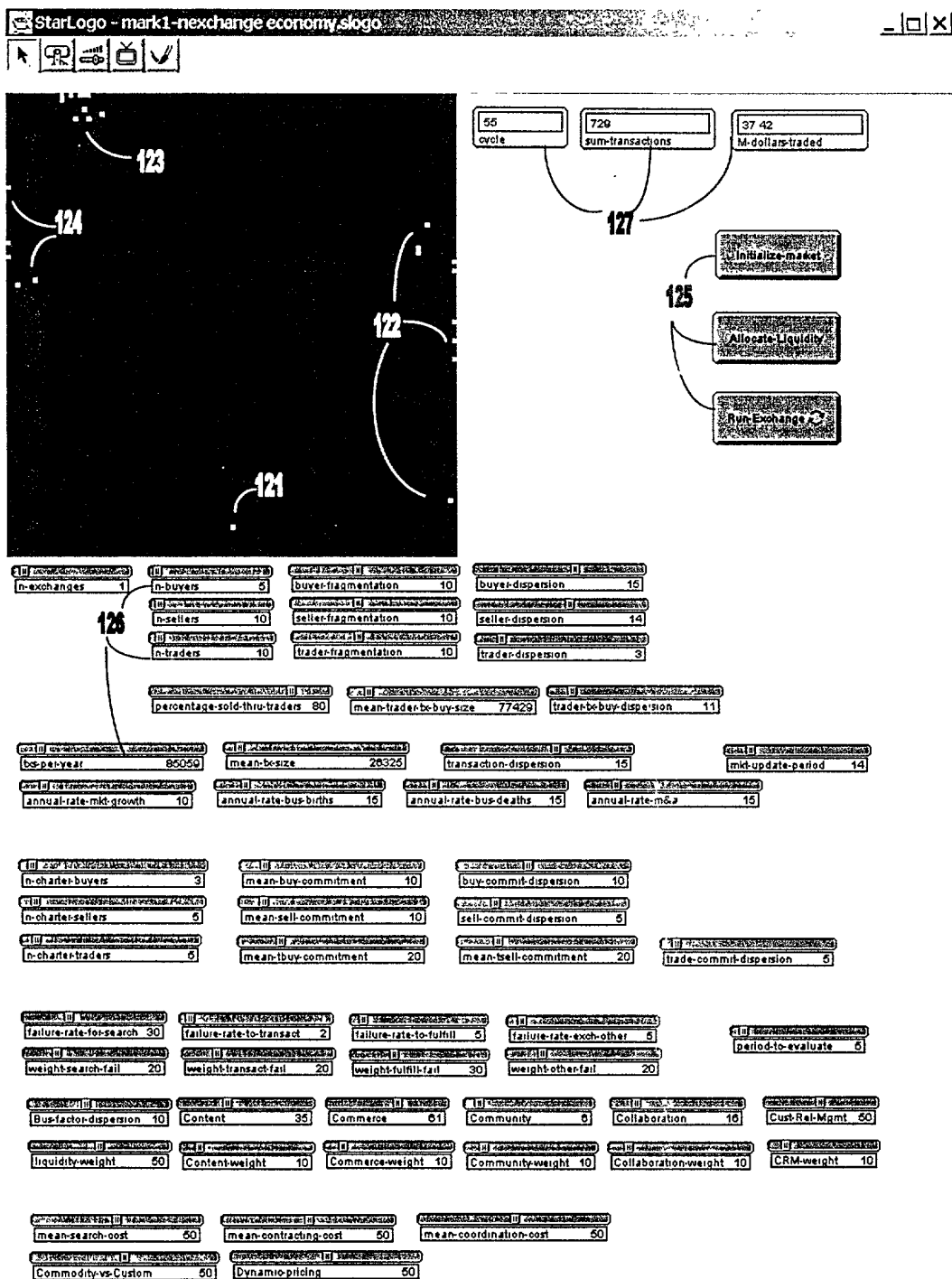


FIGURE 13

Output Window	
File Edit Font Size Windows Help	
<p>Turtle #7: *Unable to find seller. Cancelling transaction</p> <p>***** Summary of Exchange and Member states: *****</p> <p>CS, Cycle, ID, Player-Type, Name, Mkt Share%, Txs-Sell, Txs-Buy, Txs-Failed, Money-Recvd, Money-Spent, Txs-Buy-Alloc, Tx</p> <p>Turtle #12: 47,12,Buyer,12,2.66,0,0,0,0,0,0,0,0,0,0,-50,0,0,135,0.03</p> <p>Turtle #6: 47,6,Seller,6,0.4,0,0,0,0,0,0,0,0,0,0,50,0,0,95,0.16</p> <p>Turtle #0: 47,0,Buyer,0,22.22,0,142,70,0,4229383,0,0,0,0,-48,0,0,135,0.04</p> <p>Turtle #28: 47,28,Exchange,28,7.03,334,335,151,20105613,9675389,7,0,0,0,7.81,6.25,65,-0.06</p> <p>Turtle #27: 47,27,Trader,27,4.17,48,68,24,1293350,5763427,2,2,22,20,45,0,0,26,0.09</p> <p>Turtle #26: 47,26,Trader,26,3.52,45,55,29,1233462,4373192,2,1,13,17,45,0,0,26,-0.07</p> <p>Turtle #25: 47,25,Trader,25,2.87,8,4,2,277466,277196,0,0,0,0,50,0,0,25,-0.01</p> <p>Turtle #24: 47,24,Trader,24,4.82,29,44,21,806076,3668196,1,2,18,12,46,0,0,26,-0.05</p> <p>Turtle #23: 47,23,Trader,23,3.95,32,58,16,920982,4771951,2,2,11,12,46,0,0,26,0.07</p> <p>Turtle #22: 47,22,Trader,22,3.74,0,0,0,0,0,0,0,0,0,0,50,0,0,25,-0.1</p> <p>Turtle #21: 47,21,Trader,21,3.95,0,0,0,0,0,0,0,0,0,0,50,0,0,25,-0.09</p> <p>Turtle #20: 47,20,Trader,20,4.17,0,0,0,0,0,0,0,0,0,0,50,0,0,25,0.14</p> <p>Turtle #19: 47,19,Trader,19,3.3,0,0,0,0,0,0,0,0,0,0,50,0,0,25,0.01</p> <p>Turtle #18: 47,18,Trader,18,4.17,0,0,0,0,0,0,0,0,0,0,50,0,0,25,0.08</p> <p>Turtle #17: 47,17,Seller,17,7.07,89,0,0,5390442,0,0,2,16,0,45,0,0,96,-0.04</p> <p>Turtle #16: 47,16,Seller,16,6.46,85,0,0,5481599,0,0,3,17,0,42,0,0,96,0.03</p> <p>Turtle #14: 47,14,Seller,14,6.56,98,0,0,5498609,0,0,3,17,0,42,0,0,96,-0.09</p> <p>Turtle #11: 47,11,Seller,11,5,0,0,0,0,0,0,0,0,0,0,50,0,0,95,-0.03</p> <p>Turtle #10: 47,10,Seller,10,4.61,0,0,0,0,0,0,0,0,0,0,50,0,0,95,-0.02</p> <p>Turtle #9: 47,9,Seller,9,4.22,0,0,0,0,0,0,0,0,0,0,50,0,0,95,-0.07</p> <p>Turtle #8: 47,8,Seller,8,13.15,0,0,0,0,0,0,0,0,0,0,50,0,0,95,-0.05</p> <p>Turtle #7: 47,7,Buyer,7,8.99,0,202,86,0,5675561,7,0,0,31,-44,0,0,137,0.05</p> <p>Turtle #4: 47,4,Buyer,4,11.97,0,0,0,0,0,0,0,0,0,0,-50,0,0,135,-0.26</p> <p>Turtle #3: 47,3,Buyer,3,9.72,0,0,0,0,0,0,0,0,0,0,-50,0,0,135,0.02</p> <p>Turtle #2: 47,2,Trader,DistribTech,5.78,35,43,24,1212533,3286863,2,2,11,10,48,0,0,26,-0.1</p> <p>Turtle #1: 47,1,Seller,Betadyne,8.09,78,0,0,4846424,0,0,3,12,0,48,0,0,96,-0.08</p> <p>*Exchange Liquidity: Cycle Total txs and M-dollars-traded,47,653,33.2</p> <p>Turtle #2: *Make-Demand-Trades:, cycle, purchaser, role, available-seller, txs-to-make,48,2,Trader,[17 16 14 1],2</p> <p>Turtle #23: *Make-Demand-Trades:, cycle, purchaser, role, available-seller, txs-to-make,48,23,Trader,[17 16 14 1],2</p> <p>Turtle #24: *Make-Demand-Trades:, cycle, purchaser, role, available-seller, txs-to-make,48,24,Trader,[17 16 14 1],1</p> <p>Turtle #26: *Make-Demand-Trades:, cycle, purchaser, role, available-seller, txs-to-make,48,26,Trader,[17 16 14 1],2</p> <p>Turtle #27: *Make-Demand-Trades:, cycle, purchaser, role, available-seller, txs-to-make,48,27,Trader,[17 16 14 1],2</p> <p>Turtle #23: *Unable to find seller. Cancelling transaction</p> <p>Turtle #26: *Unable to find seller. Cancelling transaction</p> <p>Turtle #2: [make-demand-trades buyer bucks tx 76655 44]</p> <p>Turtle #24: [make-demand-trades buyer bucks tx 77429 45]</p> <p>Turtle #27: [make-demand-trades buyer bucks tx 96012 69]</p> <p>Turtle #26: *Unable to find seller. Cancelling transaction</p> <p>Turtle #2: [make-demand-trades: seller txs 17 [91 5563109]]</p> <p>Turtle #27: [make-demand-trades: seller txs 17 [91 5563109]]</p> <p>Turtle #24: [make-demand-trades: seller txs 16 [86 5559028]]</p> <p>Turtle #23: [make-demand-trades buyer bucks tx 89043 59]</p> <p>Turtle #2: *Make-Demand-Trades ,48,2,17,76655,44</p> <p>Turtle #27: *Make-Demand-Trades ,48,27,17,96012,69</p> <p>Turtle #24: *Make-Demand-Trades ,48,24,16,77429,45</p> <p>Turtle #23: [make-demand-trades: seller txs 14 [99 5587652]]</p> <p>Turtle #23: *Make-Demand-Trades ,48,23,14,89043,59</p> <p>Turtle #2: *Unable to find seller. Cancelling transaction</p> <p>Turtle #27: [make-demand-trades buyer bucks tx 61169 70]</p> <p>Turtle #27: [make-demand-trades: seller txs 17 [92 5624278]]</p> <p>Turtle #27: *Make-Demand-Trades ,48,27,17,61169,70</p> <p>Turtle #7: *Make-Demand-Trades:, cycle, purchaser, role, available-seller, txs-to-make,48,7,Buyer,[27 26 24 23 17 16 14]</p> <p>Turtle #7: [make-demand-trades buyer bucks tx 30011 203]</p> <p>Turtle #7: [make-demand-trades: seller txs 26 [46 1263473]]</p>	

FIGURE 14

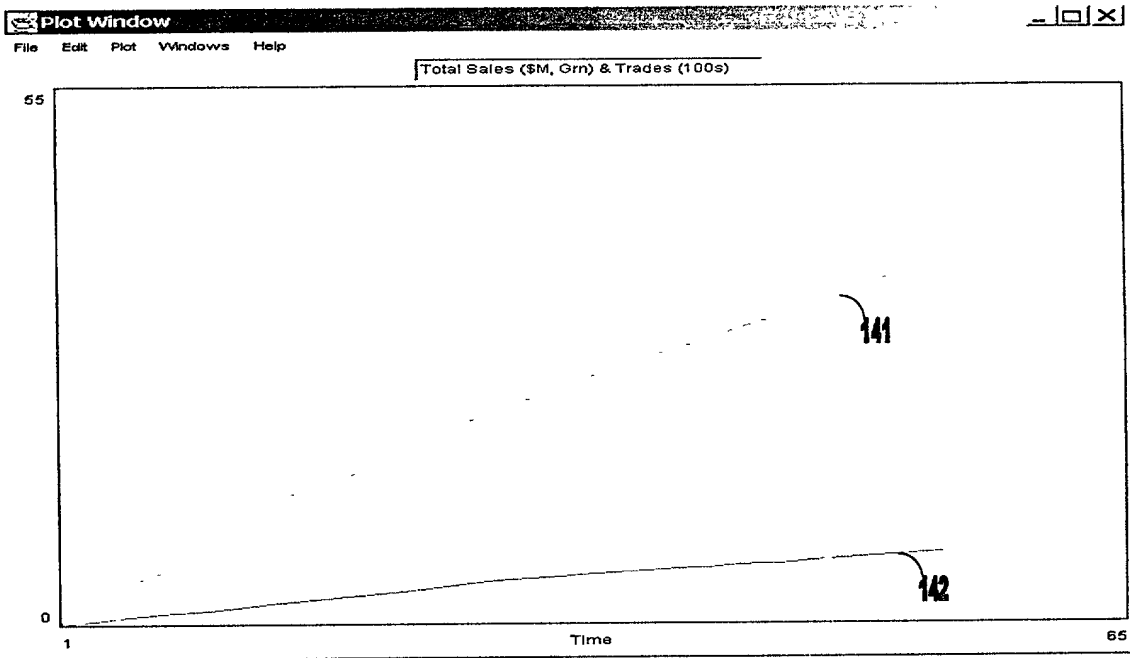


FIGURE 15

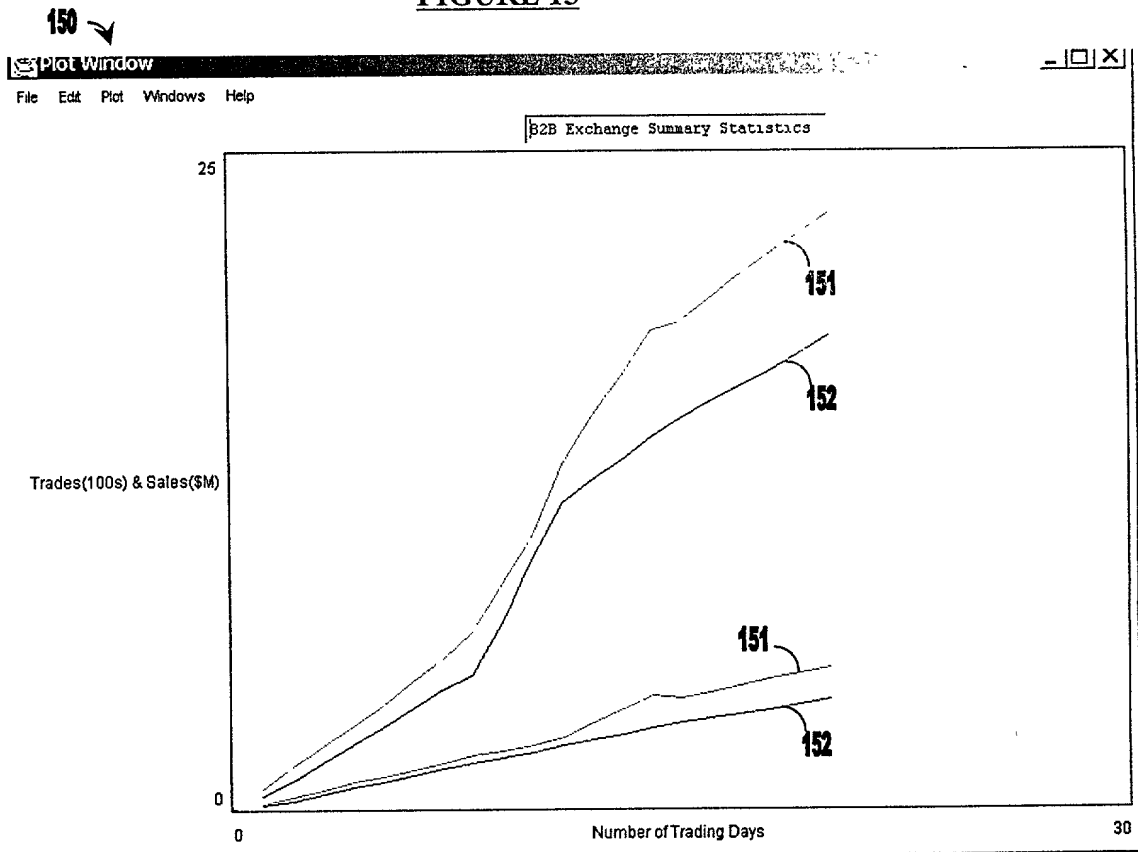


FIGURE 16

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Microsoft Excel - Market Dynamics

File Edit View Insert Format Tools Data Window Help MarketDynamics

Growth (or shrinkage) of Market

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	#####	Model Run mark12: Market Level Changes Introduced During Simulation Run				Market Dynamics (c) 2001 CCT, Patent Pending							
2													
3													
4	ME	Market Evolution	Census (Pre-update)	cycle buyers sellers traders	13	22	22	11					
5	ME	Market Evolution	Company closure	cycle ID type	13	17	1						
6	ME	Market Evolution	Company closure	cycle ID type	13	38	2						
7	ME	Market Evolution	Company closure	cycle ID type	13	11	1						
8	ME	Market Evolution	Growth (or shrinkage) of Market	cycle pre-created-change old-gly-to-vol new-gly-to-vol new-mean-to-buy-size new-mean-to-sell-size	13	0.04	85053	85339	233	10536	51832		
9	Player #15	Market Evolution	Merger-Acquisition	cycle Acquirer ID type Acquired-ID	13	15	Buyer	0					
10	Player #16	Market Evolution	Merger-Acquisition	cycle Acquirer ID type Acquired-ID	13	16	Buyer	2					
11	Player #17	Market Evolution	Merger-Acquisition	cycle Acquirer ID type Acquired-ID	13	7	Buyer	13					
12	Player #18	Market Evolution	New Business Formation	cycle ID type	13	13	Buyer						
13	Player #19	Market Evolution	New Business Formation	cycle ID type	13	2	Buyer						
14	Player #20	Market Evolution	New Business Formation	cycle ID type	13	0	Buyer						
15	ME	Market Evolution	Post-update Census	cycle buyers sellers traders	13	20	21	11					
16	ME	Market Evolution	Census (Pre-update)	cycle buyers sellers traders	26	20	21	11					
17	ME	Market Evolution	Company closure	cycle ID type	26	10	1						
18	ME	Market Evolution	Company closure	cycle ID type	26	1	1						
19	ME	Market Evolution	Company closure	cycle ID type									
20	ME	Market Evolution	Growth (or shrinkage) of Market	cycle pre-created-change old-gly-to-vol new-gly-to-vol new-mean-to-buy-size new-mean-to-sell-size									
21	Player #4	Market Evolution	Merger-Acquisition	cycle Acquirer ID type Acquired-ID									
22	Player #13	Market Evolution	Merger-Acquisition	cycle Acquirer ID type Acquired-ID									
23	Player #12	Market Evolution	Merger-Acquisition	cycle Acquirer ID type Acquired-ID									
24	Player #13	Market Evolution	New Business Formation	cycle ID type									
25	Player #8	Market Evolution	New Business Formation	cycle ID type									
26	Player #0	Market Evolution	New Business Formation	cycle ID type									
27	ME	Market Evolution	Post-update Census	cycle buyers sellers traders									
28													
29													
30													
31													
32													
33													
34													
35													
36													
37													
38													
39													
40													

Aggregate Exchange Statistics

Summary Statistics - One Trading Cycle

Summary Statistics - One Company

Trade Details - One Trading Cycle

Trade Details - One Company

Sourcing Details - One Trading Cycle

Sourcing Details - One Company

Membership Decisions - One Trading Cycle

Membership Decisions - One Company

Simulation Input Parameters

Imported Players by Name

Scenario Events

Changes in Market

Simulator Warnings (Problems)

Select

Cancel

MD_NamedPlayers / MD_SimEvents / MD_Warnings / MD_MktChange

Select destination and press ENTER or choose Paste